

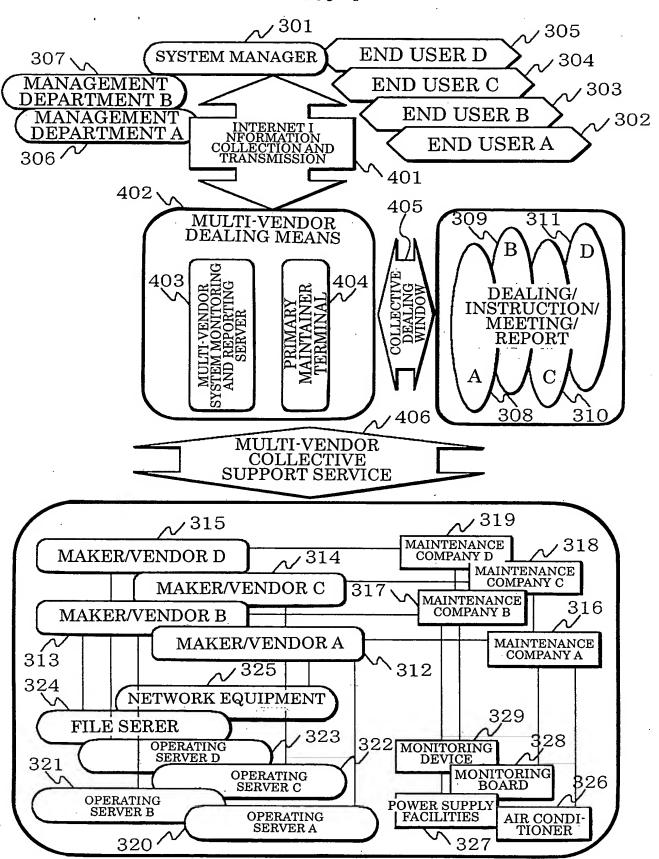
- 201: VECTOR COMMON MEMORY OF A COMPANY 202: VECTOR DISPERSION MEMORY OF B COMPANY 203: SCALAR DISPERSION MEMORY OF C COMPANY
- 204: SCALAR COMMON MEMORY OF D COMPANY
- 205: NETWORK DEVICE OF E COMPANY
- 207: ROUTER
- 208: WAN/INTERNET

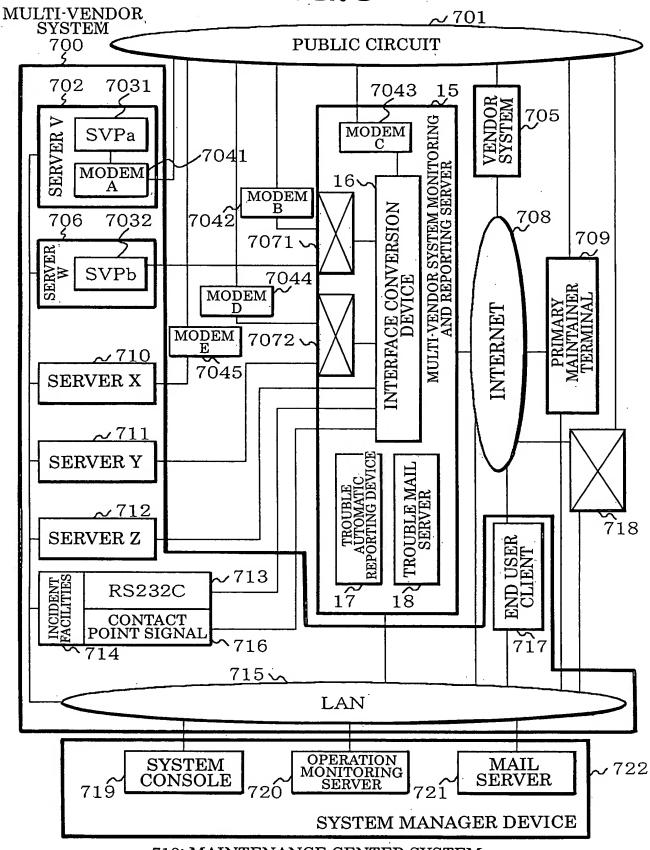
- 209: FILE SERVER OF G COMPANY 210: END USER CLIENT 212: NETWORK SERVER OF H COMPANY
- 213: FACILITIES CONTROL BOARD OF I COMPANY
- 214: UNINTERRUPTIBLE POWER SUPPLY SOURCE OF J COMPANY
- 215: AIR CONDITIONER OF K COMPANY 216: NETWORK MONITORING SERVER 219: DATA BASE SERVER
- 220:. SYSTEM CONSOLE
- 221:. SYSTEM CONSOLE
- 221: SYSTEM OPERATION MONITORING SERVER
- 222: MAIL SERVER

FIG.3

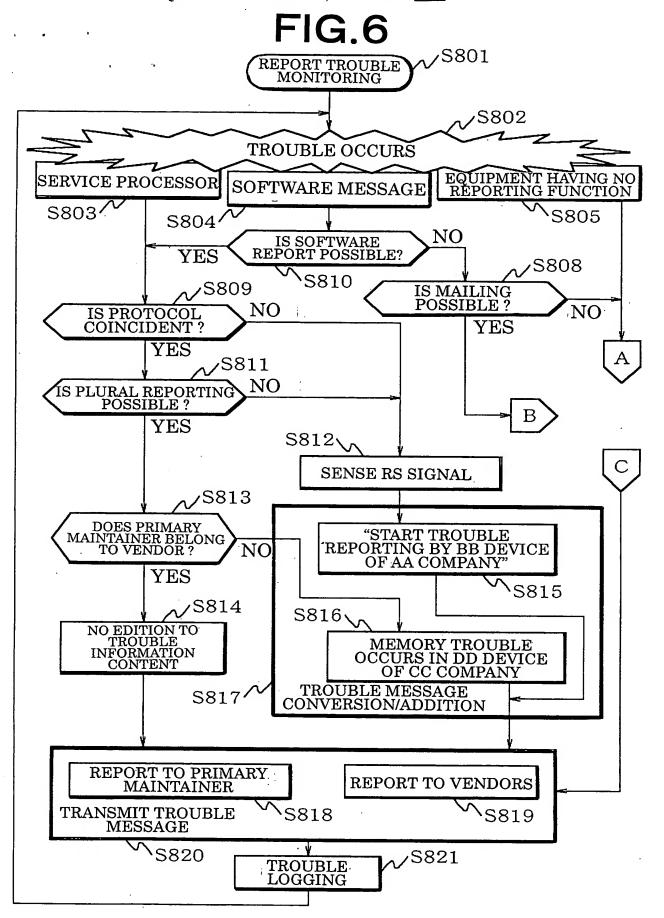
# 

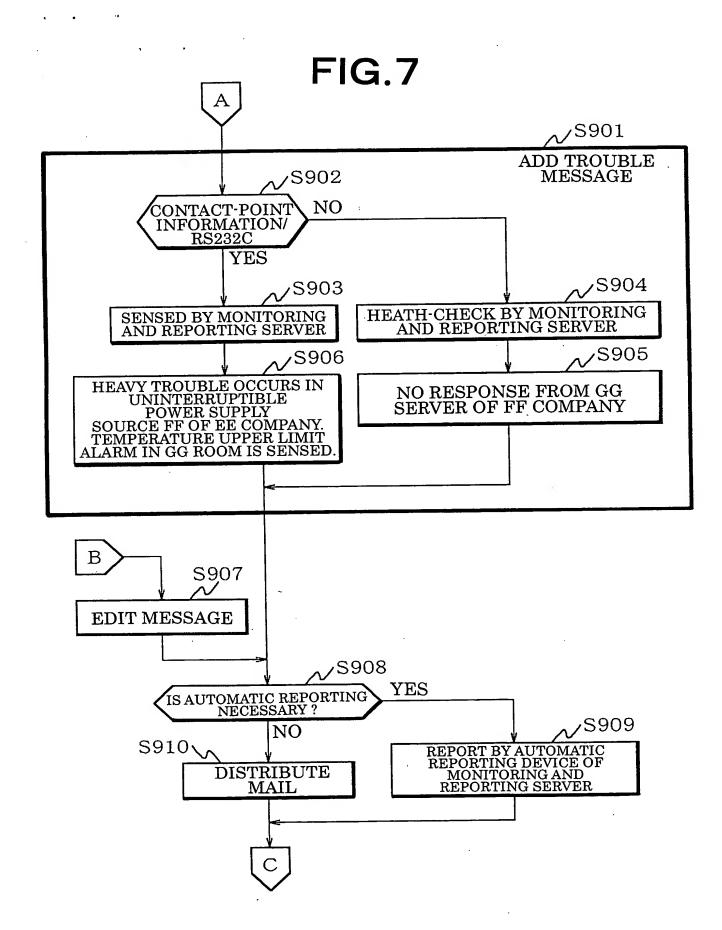
**COMPANIES** 

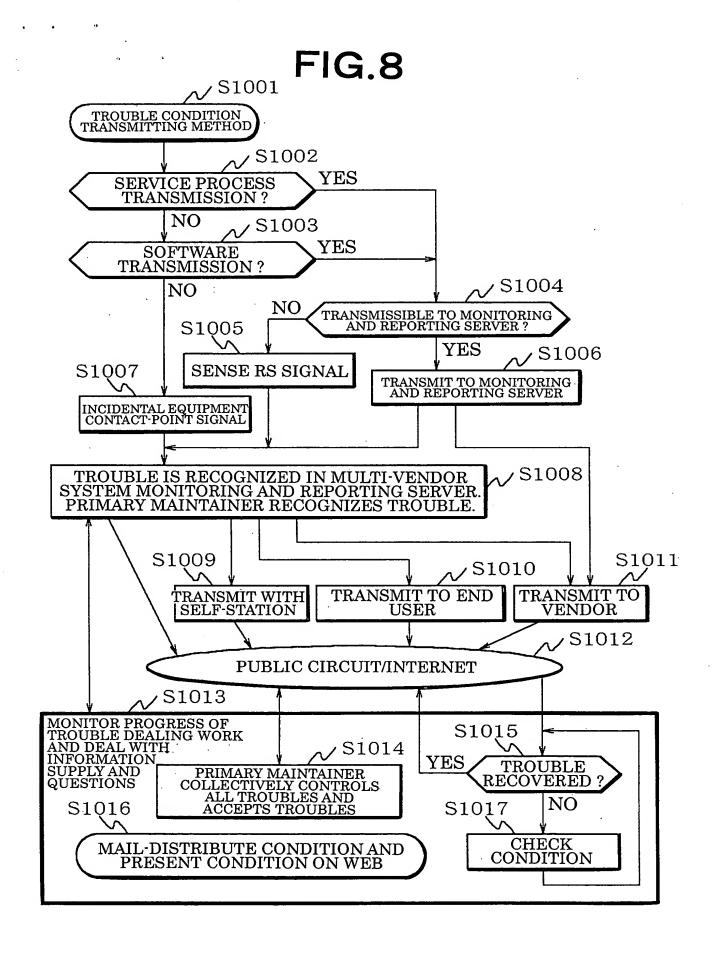


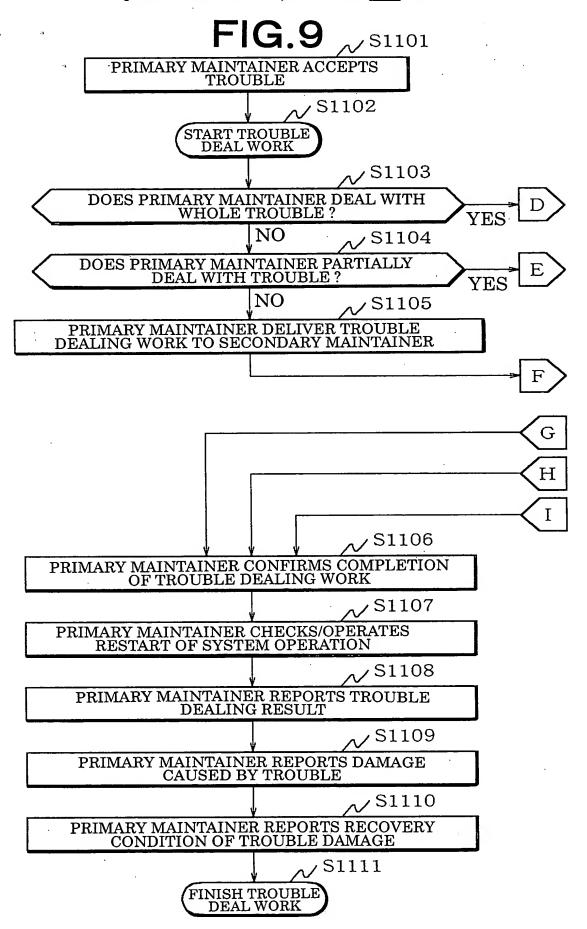


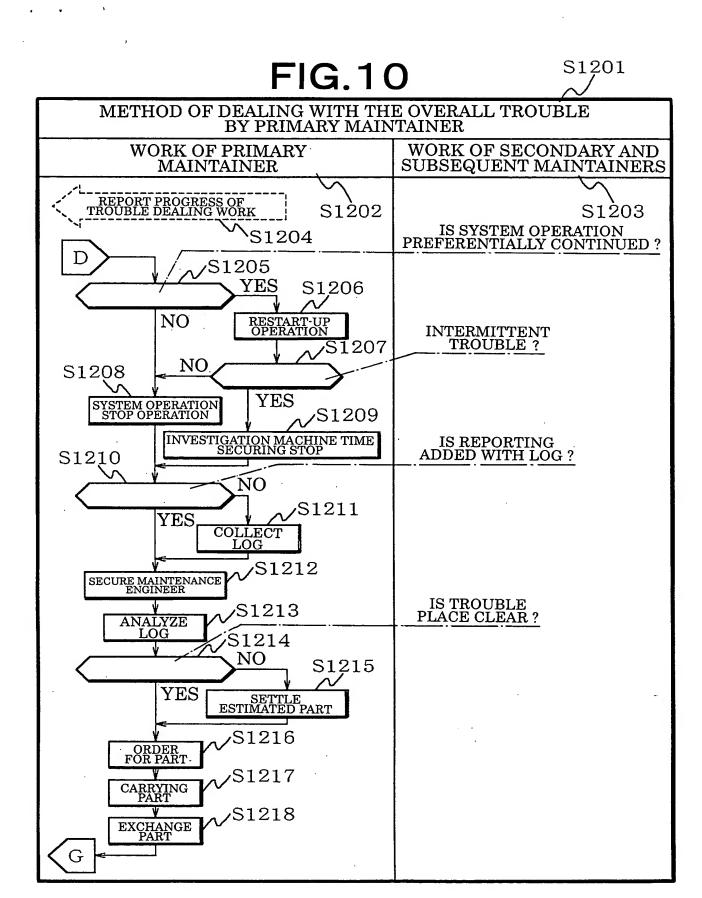
718: MAINTENANCE CENTER SYSTEM 7071:. RS SIGNAL SENSING PORTION A 7072:. RS SIGNAL SENSING PORTION B

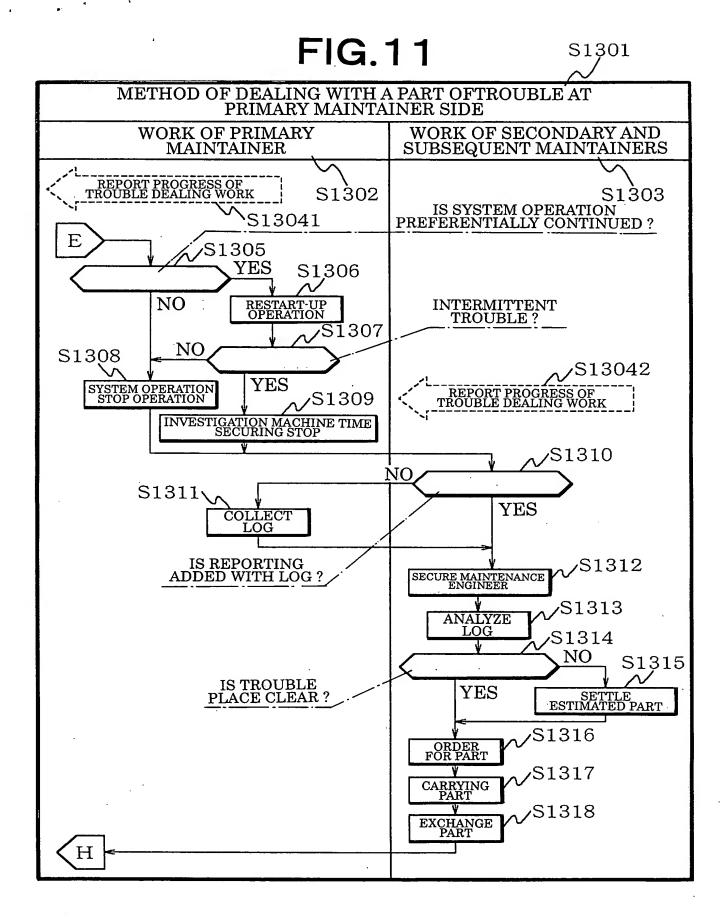


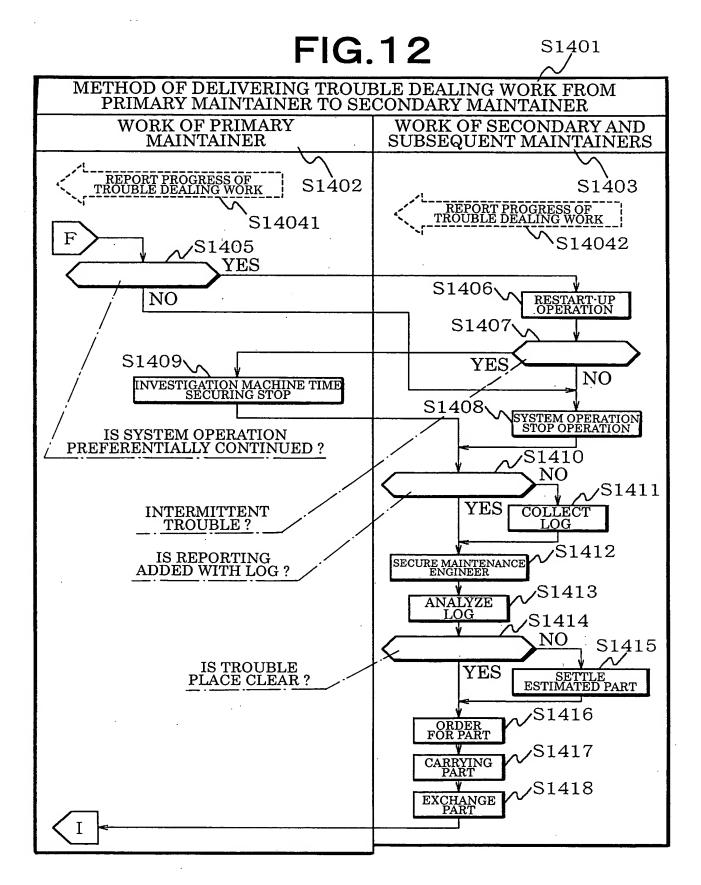


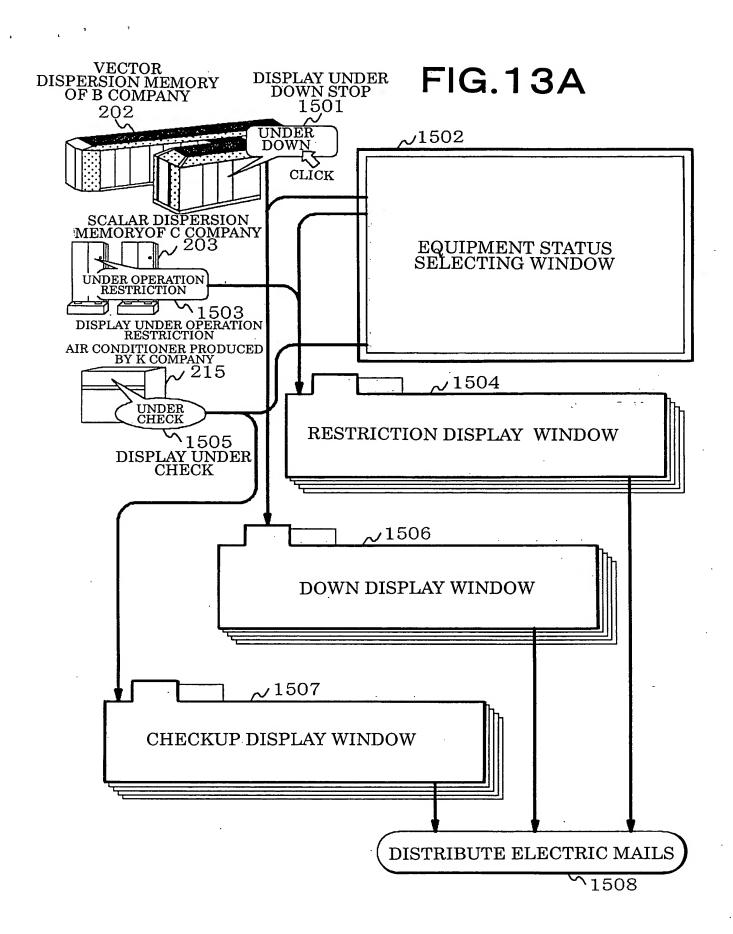












# FIG.13B

# 1502 EQUIPMENT STATUS

SELECTING, WINDOW

STATUS VENDOR/MAKER/TYPE DISPLAY
101. VECTOR COMMON MEMORY OFA COMPANY
102. VECTOR DISPERSION MEMORY OF B COMPANY
RESTRICTION 103. SCALAR DISPERSION MEMORY OF C COMPANY
104 SCALAR COMMON MEMORY OF D COMPANY
105. NETWORK DEVICE OF E COMPANY
106. LOOP/ATM LAN OF F COMPANY
109. FILE SERVER OF G COMPANYO
202. NETWORK SERVER OF H COMPANY
203. FACILITIES CONTROL BOARD OFI COMPANY
204. UNINTERRUPTIBLE POWER SUPPLY SOURCE OF J COMPANY
CHECKUP 205. AIR CONDITIONER OF K COMPANY

FIG. 13C S1504 RESTRICTION DISPLAY WINDOW

SUMMARY, DETAILS

SYSTEM EQUIPMENT STATUS DISPLAY 2002 YEAR	STATUS DISPLA	AY 2002 YEAR	
EQUIPMENT NAME	AE STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
CSPM	RESTRICTION	RESTRICTION 8:45 ON JULY 25	3:50 ON AUGUST 2
EVENT: CS PM NODE	#35 CLOSED OPE	RATION BECAUSE OF SYST	ODE#35 CLOSED OPERATION BECAUSE OF SYSTEM RENEWAL OPERATION

FIG. 13D
.S1506 DOWN DISPLAY WINDOW

SUMMARY, DETAILS

 SYSTEM EQUIPMENT STATUS DISPLAY 2002 YEAR	STATUS DIS	PLAY 2002 YEAR	
 EQUIPMENT NAME	IAME STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
 BVPM	DOWN	21:35 ON JULY 30	3:50 ON 31ST
EVENT: HARDWARE T	ROUBLE, M	WARE TROUBLE, MAIN MEMORY CHECK OCCURRENCE/PART EXCHANGE	RRENCE/PART EXCHANGE

# FIG. 13E

S1507 CHECKUP DISPLAY WINDOW

SUMMARY, DETAILS

SYSTEM EQUIPMENT	STATUS DISPI	MENT STATUS DISPLAY 2002 YEAR	
EQUIPMENT NAME	STATUS	START DATE AND HOUR	RELEASE DATA AND HOUR
KAIR	CHECKUP	CHECKUP 9:00 ON JULY 30	17:00 ON JULY 30
CONTENT: PERIODIC	NORMAL CHE	ODIC NORMAL CHECKUP OPERATION STOP	

# FIG.14A

1601 TROUBLE-RELATING REPORT/DISTRIBUTION MESSAGES | BASED ON ELECTRONIC MAILS

	START TROUBLE REPORT FROM BB DEVICE OF AA COMPANY
	MEMORY TROTTEL E OCCITES IN DD DEVICE OF CC COMPANY
	MEMORI INCODES COCCESSION INTRINSPRINTER POWER SUPPLY SOURCE FF OF EE COMPANY
	HEAVY TRUUBLE OCCURS IN CAMINIFICATION OF THE CONTROL OF THE CONTR
TROUBLE PET ATING	TEMPERATURE UPPER LIMIT ALARM IN GG ROOM IS SENSED
MESSAGES	NO RESPONSE FROM H SERVER OF HH COMPANY
	KK ARRAY DISC DEVICE OF JJ COMPANY IS DEGENERATED
	NWOU INTROOP IT HO THE THE TOTAL OF THE
	AIR CONDITIONER OF MM MACHINE OF LL COMPANT IS BRUKEN DOWN
	POWER STIPPLY IS JUST CUT OFF. PLEASE INFORM EFFECT TO EACH MACHINE

 $\begin{array}{c} FlG.\,14B \\ {\rm 1602..\,RESTRICTION\cdot RELATING\,GUIDANCE/DISTRIBUTION} \\ / \end{array}$  Messages based on electronic mails

CSPMNODE#35 IS UNUSABLE BECAUSE OF SYSTEM RENEWAL WORK	COMMUNICATION WITH EXTERNAL IS IMPOSSIBLE TO BECAUSE OF NETWORK RENEWAL WORK	UNUSABLE BECAUSE OF NN SERVER DEVICE RENEWAL	N VIA QQ SERVER BECAUSE OF PP SERVER INVESTIGATION STOP	RR FILE OVERFLOW OCCURS, AND PLEASE DELETE UNNECESSARY FILE OF SS OPERATION	PLEASE DO NOT EXECUTE EDITOR TO LARGE-CAPACITANCE FILE IN TT SERVER	ACCESS ABNORMALITY TO UU SERVER IS RECOVERED BY DEVICE REBOOT	COMMERCIAL POWER BYPASS OPERATION IS STARTED BECAUSE OF TROUBLE OF VV INTERRUPTIBLE POWER SUPPLY SOURCE
CSPMNODE#35 IS UNUSABLE BECA	COMMUNICATION WITH EXTERNA	TEMPORARILY UNUSABLE BECAU	PLEASE LOG-IN VIA QQ SERVER BI	RR FILE OVERFLOW OCCURS, AND	PLEASE DO NOT EXECUTE EDITOI	ACCESS ABNORMALITY TO UU SEI	COMMERCIAL POWER BYPASS OPERATION INTERRUPTIBLE POWER SUPPLY SOURCE
RESTRICTIO N RELATING N RELATING RESSAGES PLEASE LOG-IN VIA PLEASE DO NOT EXI ACCESS ABNORMAL COMMERCIAL POWI							

# FIG. 14C

1603 CHECKUP RELATING SCHEDULE/DISTRIBUTION MESSAGES / BASED ON ELECTRONIC MAILS

	PERIOD CHECKUP STOP: PERIODIC CHECKUP OF WW MONTH IS ON XX DAY (Y-DAY IN THE WEEK)
	TROUBLE OCCURS UNDER PERIODIC CHECKUP, AND CHECKUP COMPLETION TIME IS EXTENDED FROM SCHEDULED TIME BY TWO HOURS
	PLEASE CHECK FNS FUNCTION AFTER CHECKUP OF ZZ FILE SERVER HAS BEEN COMPLETED
CHECKUP	SPECIAL CHECKUP: SYSTEM OPERATION WILL BE TEMPORARILY STOPPED THIS SUNDAY BECAUSE OF HARDWARE IMPROVEMENT
KELATING MESSAGES	NEW QUEUING IS SUPPRESSED AND ALL JOBS ARE SET TO FINISHED STATE BECAUSE OF PERIODIC CHECKUP STOP
	CORRECTION PATCH IS APPLIED TO DEFECT OF bb SERVER IN TODAY'S CHECKUP
	OUTAGE ANNOUNCEMENT TO ALL SITES: ALL-DAY OUTAGE FOR CHECKUP OF ELECTRICAL FACILITIES ON DD DAY OF cc MONTH
	DISTRIBUTION BOARD WORK WILL BE EXECUTED ON PERIODIC CHECKUP DATE, AND POWER SUPPLY OF ee ROOM SYSTEM WILL BE CUT OFF.

# FIG.14D

S1604.. WORK COMPLETION RELATING NOTIFICATION/DISTRIBUTION \\
\text{MESSAGES BASED ON ELECTRONIC MAILS}

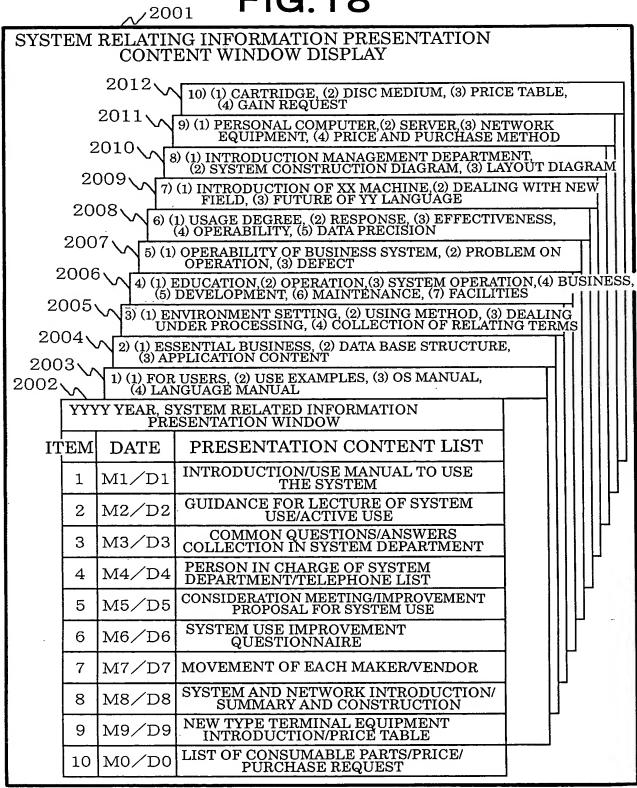
	TROUBLE OF BB DEVICE OF AA COMPANY IS RECOVERED.
	DEALING OF MEMORY TROUBLE IN DD DEVICE OF CC COMPANY IS COMPLETED, AND SYSTEM OPERATION IS RESTARTED.
	REPAIR OF HEAVY TROUBLE IN UNINTERRUPTIBLE POWER SUPPLY SOURCE FF OF EE COMPANY IS COMPLETED.
WORK COMPLETION	PERMANENT DEALING WITH ERROR OUTPUT CASE IN FESYSTEM IS COMPLETED TODAY
RELATING MESSAGES	PERIODIC CHECKUP IS COMPLETED AS SCHEDULED, AND SYSTEM OPERATION IS RESTARTED AT hh:mm
	ii FILE IN gg SYSTEM IS CURRENTLY BEING RECOVERED, AND PLEASE WAIT FOR A MOMENT
	THREE BATCH JOBS ARE RESTARTED BECAUSE OF ii SYSTEM DOWN
	REPAYMENT OF CHARGE OF RESTART JOB IS COMPLETED

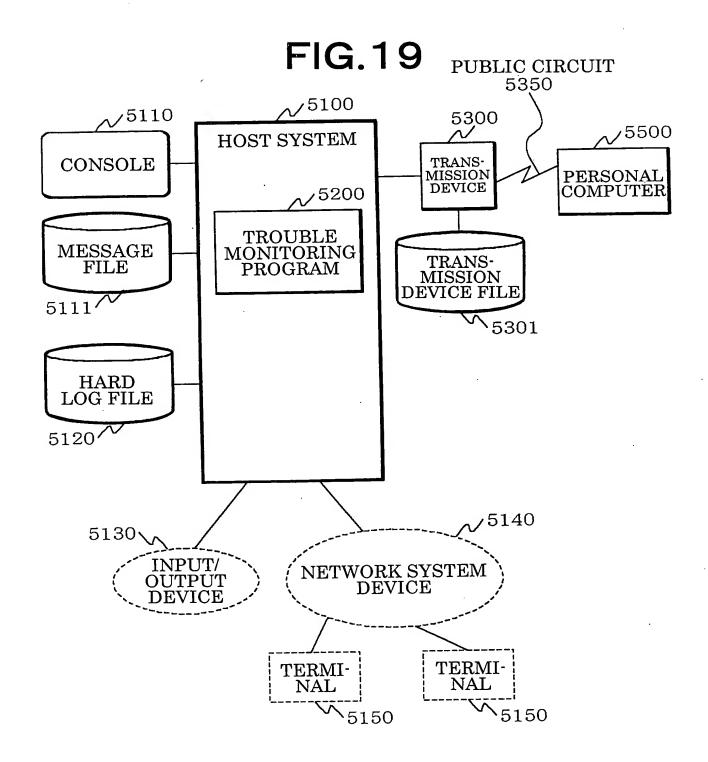
1701ر

		$\sqrt{170}$			4. 1 0				
SYS	TEN	I OPERA!	PION REI WINDOW	LATING R V DISPLA	REPORT ( Y	CONTENT	1		
		1705	<u> </u>	VE A D. CVC	WEAT TOP C	TIDI E NII	MINE	D/	, ]
			YYYY	TROUE	STEM TRUBLE RATE	UBLE NU GRAPH	MBE.	K/ 	] ]
	17	04	 YYY YEAR						
		I	QU	JEUING (	RAPH	WIDER/			
170	$^{3}$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	EAR, CUP	MEMORY	Y/FILE IIS	AGE			
170	2		RA'	TE GRAPH	Ĭ			·	
	YY	 YY YEAR I	MM MON'	TH, SYSTI	EM				
, , ,	DISIN 4		FOWER	E LIST CHECKUP	TROUBLE	OPERATING			
		EQUIPMENT NAME	POWER SUPPLY TIME	TIME	TIME	TIME			
	1	AVSM	744H	10H	00H	734H			
	2	BVPM	744H	10H	00H	734H			
	3	CSPM	744H	10H	05H	729H			
	4	DSSM	700H	10H	10H	680H			
	8	ENET	744H	10H	00H	744H			
	9	FLAN	744H	10H	00H	744H			
	10	GFILE	744H	10H	00H	744H	'		
	11	HNWS	744H	10H	00H	744H			•
	12	ICTL	744H	00H	00H	744H			
	13	JUPS	744H	00H	00H	744H		]	
	14	KAIR	744H	00H	00H	744H			
			·	·			•		

√<sup>1801</sup> SYSTEM MANAGEMENT RELATING REPORT CONTENT WINDOW DISPLAY 1806 YYYY YEAR, SYSTEM AUTOMATIC OPERATION **SETTING INFORMATION** YYYY YEAR, CONSUMED POWER AMOUNT GRAPH/OUTSIDE AIR AND MACHINE ROOM TEMPERATURE/HUMIDITY INFORMATION 1804 YYYY YEAR, NETWORK CONSTRUCTION DIAGRAM/TRAFFIC AMOUNT GRAPH 1803 YYYY YEAR, CHARGE CONSUMPTION/USER NUMBER TRANSITION CONDITION GRAPH 1802 YYYY YEAR MM MONTH, SYSTEM ITEM PROBLEM MANAGEMENT TABLE PROBLEM/REQUIREMENT DATE 1 PACKET LOSS FREQUENTLY OCCURS IN NETWORK OCCURRENCE, YYYY YEAR MM MONTH ROUTER DEVICE EQUIPMENT NAME AVSM CONDITION/DISPOSAL COMPLETION PROBLEM IS SOLVED BY RENEWING VERSION BECAUSE BUG OF OPERATINGSYSTEM OF ROUTER DEVICE DISPOSED PROBLEM/REQUIREMENT 2 DATE OCCURRENCE

√1901 PERIODIC CHECKUP AND WORK PROGRESS SCHEDULE CONTENT WINDOW DISPLAY (WINDOW DISPLAY OF SCHEDULE LIST OF EACH MULTI-VENDOR COMPANY) 1905 YYYY YEAR, PLANED OUTAGE SCHEDULE GUIDE 1904 FROM YYYY YEAR, MM MONTH DD DAY, SYSTEM RENEWAL OPERATION STOP SCHEDULE GUIDE 1903 YYYY YEAR, ANNULAR PERIODIC CHECKUP 1902 SCHEDULED DAY YYYY YEAR, MM MONTH, DD DAY, PERIODIC CHECKUP/ WORK PROGRESS SCHEDULE/WORKING CONTENT REPORT EQUIPMENT NAME START COMPLETION [OPERATION RESTART] TIME  $\mathbf{TIME}$ YEM IS STOPPED DUE AINTENANCE OF AIR CONDITIONER ASDM 09:00 -- 17:00 [19:20] CONTENT: FAN FILER **CLEANING** CSPM 09:00 -17:00 [19:30] CONTENT: MAIN MEMORY PART EXCHANGE DSSM 09:00 ---17:30 [19:30] CONTENT: SOFTWARE SZ PATCH **HNWS** WORKING TIME 18:00 19:00 CONTENT: EXTENSION/ ALTERATION OF LINES **KAIR** WORKING TIME 18:00 -19:00 CONTENT: EXCHANGE OF PUMP OF COOLING TOWER
OF AIR CONDITIONER [OVERALL PACKAGE AIR CONDITIONER IN MACHINE ROOM IS STOPPED]





**FIG.20** 

